

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.

NOTES:

- 1
- TORQUE ACCORDING TO TORQUE TABLE ON SHEET 4
- 2
- APPLY O-RING LUBRICANT F/N 60 ON ALL O-RINGS DURING ASSEMBLY
- 3
- APPLY ANTISEIZE F/N 61 TO FAYING SURFACES
- 4
- APPLY LOCTITE F/N 64 ON THREADS
- 5
- APPLY TORQUE SEAL F/N 62
- 6
- IDENTIFY IAW MPP-120; LASER ENGRAVE ALL REQUIRED INFORMATION
- 7
- REFER TO CONFIGURATION SPECIFIC VIEWS FOR DETAILED ASSEMBLY INSTRUCTIONS, SHEET 12-16
- 8
- APPLY DIELECTRIC GREASE F/N 59 TO FAYING SURFACES
- 9
- BACK-UP RINGS F/N 46 MUST BE CLOCKED 60° - 120° OUT OF ALIGNMENT WHEN INSTALLED
- 10
- APPLY LOCTITE F/N 63 ON THREADS
- 11
- ASSEMBLE IAW MPP-179
- 12
- SAFETY WIRE F/N 39 TO F/N 36 USING F/N 71
- 13
- ORIENT PRESSURE GAUGE AS SHOWN.

1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	34	601.3374	O-RING	N0674-705-193	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	33	601.3373	O-RING	AS568A-908	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	32	601.3376	O-RING	AS568A-012	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	31	601.3380	BAYONET SPRING		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	30	650.7201	BAYONET ASSEMBLY	ALT. 649.5701	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	29	650.9511	MAIN SEAL POPPET	ALT. 648.9011	
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	28	601.3379	TRIGGER BALL		
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	27	650.7010	PUNCTURE DISC	ALT. 649.0510	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	26	650.7110	DISC RETAINER	ALT. 648.8910	1 4 5
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	25	601.1091	O-RING	AS568A-910	
1			1	1						1	1	1	1	1	1	1	1	1	1	24	601.2587	SNAP RING		
1			1	1						1	1	1	1	1	1	1	1	1	1	23	601.1882	BANJO WASHER	NAS1149C0663R	
					1	1	1	1												22	650.6213	BANJO -10		
										1				1						21	650.6212	BANJO -8	ALT. 645.6312	
			1								1			1						20	650.6211	BANJO -6	ALT. 645.6311	
1			1								1			1						19	650.6210	BANJO -4	ALT. 645.6310	
	1	1			1	1	1	1												18	650.6316	SWIVEL FITTING ASSY		
										1				1						17	650.6302	SWIVEL FITTING ASSY	ALT.645.6402	
1			1	1						1	1		1	1		1	1		1	16	650.6301	SWIVEL FITTING ASSY	ALT. 645.6401	1 4 5
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	15	600.0266	FUSIBLE PLUG	A-51057-S	1 4 5
					1		1		1	1	1			1	1	1				14	650.6515	EXTENDED GAUGE ADAPTER	ALT. 645.7515	1 4 5
						1					1	1	1				1	1	1	13	650.6512	GAUGE ADAPTER	ALT. 645.7512	1 4 5
1			1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	12	601.3739	GAUGE	B51051-6000	1 4 5
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	11	601.2241	O-RING	AS568A-010	
2	4	3	1	1	2	2	2	2	2	1	1	2	1	1	2	1	1	2	1	10	601.1088	O-RING	AS568A-904	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	9	601.1084	O-RING	AS568A-006	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	8	600.0289	FILL PISTON FITTING	A-51153	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	7	600.0288	PLUG FITTING	A-51152	1 4 5
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6	600.0260	FILL PORT	A51151-S	1 4 5
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	650.6511	FILL PORT ADAPTER	ALT 645.7511	
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	601.2940	O-RING	AS568A-017	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	601.2939	O-RING	AS568A-011	
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	600.0248	SAFETY DISC	A-51109-5000	
1	1	1		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	650.6410	SAFETY DISC RETAINER (6K)		1 4 5
X																					650.5321	MECHANICAL VALVE ASSY -4		7
	X																				650.5320	THERMOMOMETER VALVE ASSY		7
		X																			650.5319	VALVE ASSY -8/-10 FLARELESS		7
			X																		650.5318	90 DEGREE GAUGE VALVE ASSY -6		7
				X																	650.5317	ANGLED GAUGE VALVE ASSY -4		7
					X																650.5316	LONG GAVUE VALVE ASSY -10		
						X															650.5315	VALVE ASSY -10		
							X														650.5314	LONG GAUGE VALVE ASSY -10		
								X													650.5313	VALVE ASSY -10		
									X												650.5312	LONG GAUGE VALVE ASSY -8		
										X											650.5311	LONG GAUGE VALVE ASSY -6		
											X										650.5310	LONG GAUGE VALVE ASSY -4		
												X									650.5309	VALVE ASSEMBLY -8		
													X								650.5308	VALVE ASSEMBLY -6		
														X							650.5307	VALVE ASSEMBLY -4		
															X						650.5306	LONG GAUGE VALVE ASSY -8		
																X					650.5305	LONG GAUGE VALVE ASSY -6		
																	X				650.5304	LONG GAUGE VALVE ASSEMBLY -4		
																		X			650.5303	VALVE ASSEMBLY -8		
																			X		650.5302	VALVE ASSEMBLY -6		
																				X	650.5301	VALVE ASSEMBLY -4		

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
N/C	INITIAL RELEASE	05-30-14	P. BRAVO
A	INCORPORATED ECN 04716	10-17-14	P. BRAVO
B	INCORPORATED ECN 04915	04-02-15	P. BRAVO
C	INCORPORATED ECN 05044	07-23-15	P. BRAVO
D	INCORPORATED ECN 05087	08-14-15	P. BRAVO
E	INCORPORATED ECN 05124	09-01-15	P. BRAVO
F	INCORPORATED ECN 05317	02-11-16	P. BRAVO
G	INCORPORATED ECN 05343	03-15-16	P. BRAVO
H	INCORPORATED ECN 06036	07-18-18	P. BRAVO
J	INCORPORATED ECN 06159	08-20-19	Fir P. BRAVO JG

QTY

NEXT ASSY (S)

ORIGINAL DATE (MO-DA-YR)
05-30-14
DRAWN BY
J. GARDINER
CHECKER
P. BRAVO
DRAWING APPROVAL
P. BRAVO
05-30-14
CONTRACT No.

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
2 PLACE DECIMALS ±.01
3 PLACE DECIMALS ±.005
ANGLES ± .5°

DART

AEROSPACE

APICAL INDUSTRIES, INC.
dba DART AEROSPACE

3030 ENTERPRISE CT.,
SUITE A
VISTA, CA. 92081
(760)-724-5300

ELECTRIC VALVE ASSY

SIZE
B

CAGE CODE
07MZ6

DWG. NO.
650.5300


REV.
J

SCALE
NONE

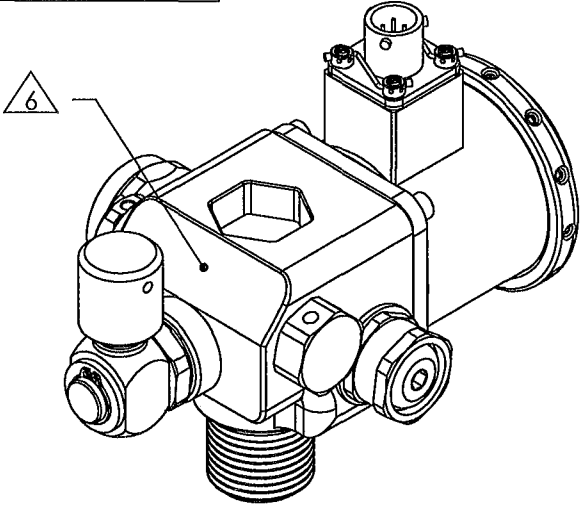
SHEET
1 OF 16

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.

[illegible]

ORIGINAL DATE (MO-DA-YR)	05-30-14	 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300			
DRAWN BY J. GARDINER	CHECKER P. BRAVO				
DRAWING APPROVAL P. BRAVO 05-30-14		APICAL INDUSTRIES, INC. dba DART AEROSPACE			
CONTRACT No.		ELECTRIC VALVE ASSY			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SIZE B	CAGE CODE 07MZ6	DWG. NO. 650.5300	REV. J
SCALE NONE			SHEET 2 OF 16		

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.



650.53XX - XX - ELEC - XX

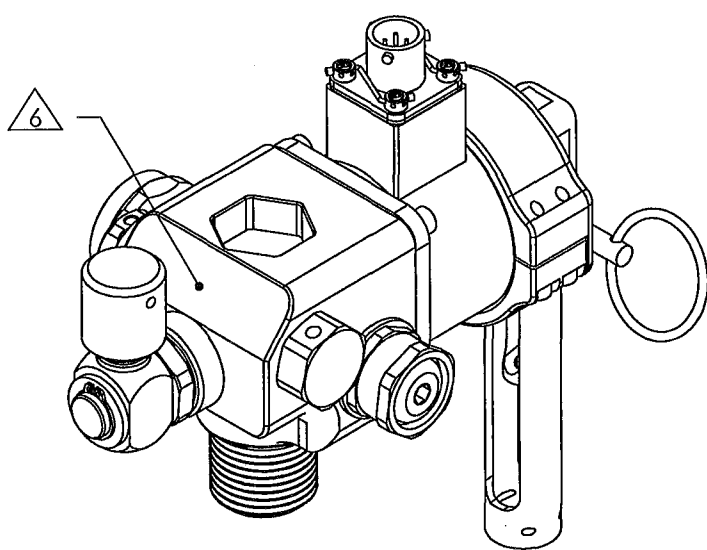
ROOT DRAWING ASSEMBLY NUMBER

SOLENOID ORIENTATION
(SEE SHEET 4)

PORT FITTING CONFIGURATION
(SEE SHEET 4)

SHROUD ROTATION ANGLE & DIRECTION
(NOT APPLICABLE, REPLACE WITH "ELEC")

PART NUMBER LAYOUT FOR ELECTRICAL ONLY CONFIGURATIONS



650.53XX - XX - XXX XX - XX

ROOT DRAWING ASSEMBLY NUMBER

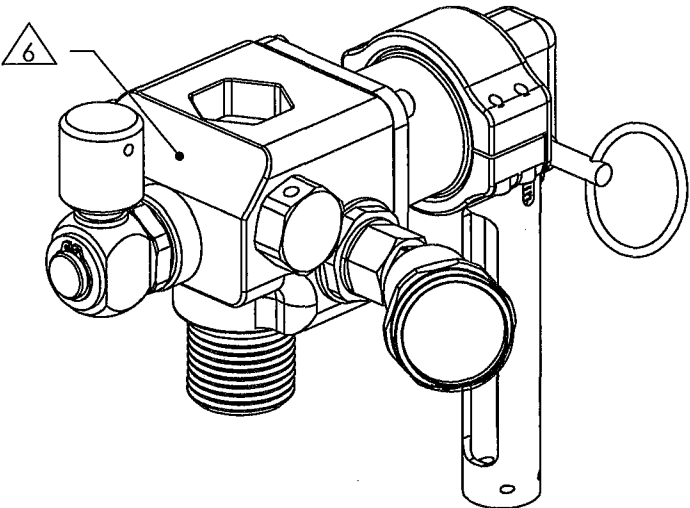
SOLENOID ORIENTATION
(SEE SHEET 4)

PORT FITTING CONFIGURATION
(SEE SHEET 4)

DIRECTION OF SHROUD ROTATION
(SEE SHEET 4)

SHROUD ROTATION ANGLE
(SEE SHEET 4)

PART NUMBER LAYOUT FOR ELECTRICAL/MECHANICAL CONFIGURATIONS



650.53XX - MEC - XXX XX - XX

ROOT DRAWING ASSEMBLY NUMBER

SOLENOID ORIENTATION
(NOT APPLICABLE, REPLACE WITH "MEC")

SHROUD ROTATION ANGLE
(SEE SHEET 4)

PORT FITTING CONFIGURATION
(SEE SHEET 4)

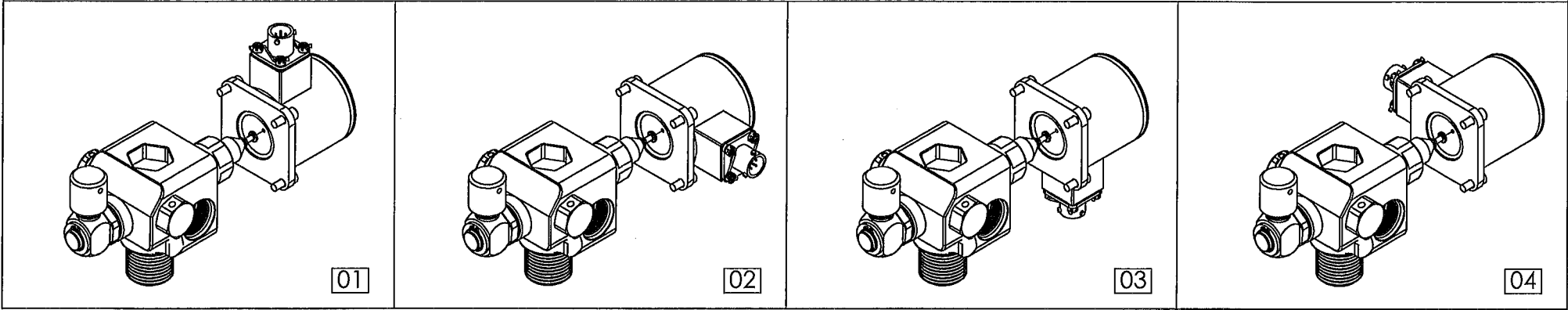
DIRECTION OF SHROUD ROTATION
(SEE SHEET 4)

PART NUMBER LAYOUT FOR MECHANICAL CONFIGURATIONS

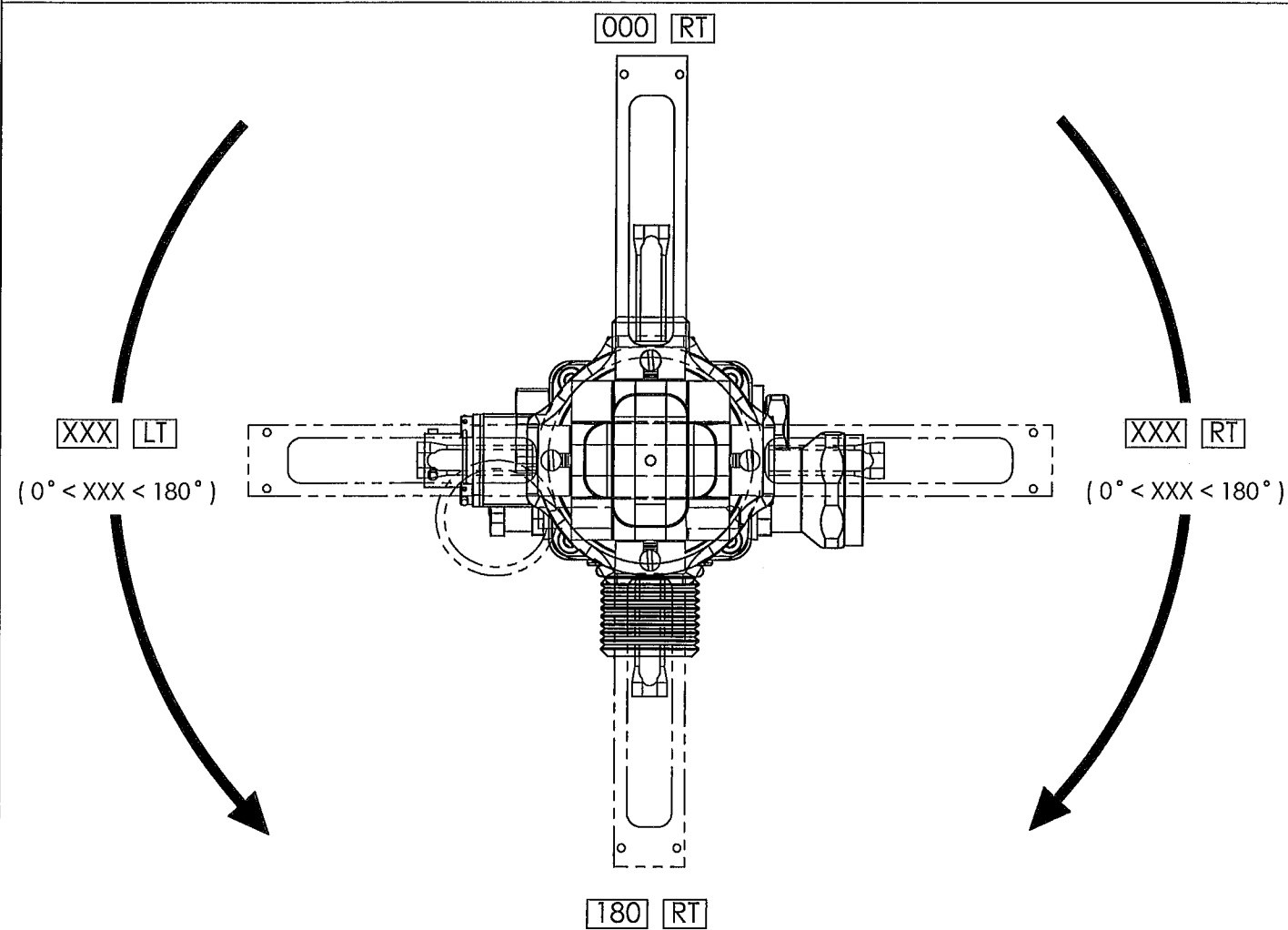
ORIGINAL DATE (MO-DA-YR) 05-30-14		DART 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY J. GARDINER	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 05-30-14		ELECTRIC VALVE ASSY	
CONTRACT No.		SIZE B	REV. J
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°		CAGE CODE 07MZ6	DWG. NO. 650.5300
		SCALE NONE	SHEET 3 OF 16

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.

SOLENOID ORIENTATION - 650.53XX - [XX] - XXX XX - XX

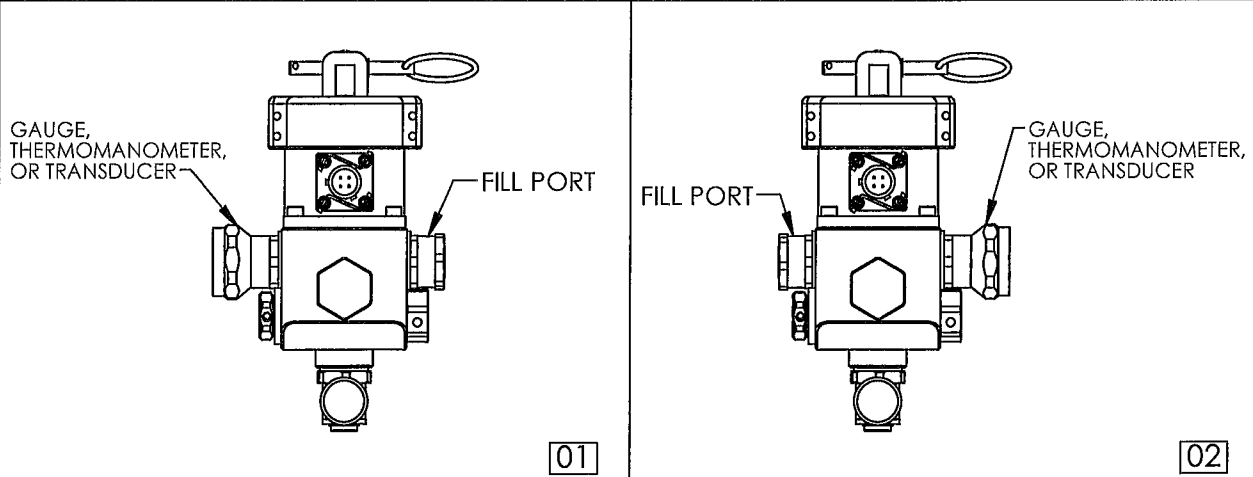


SHROUD ROTATION ANGLE AND DIRECTION - 650.53XX - XX - [XXX] [XX] - XX



TORQUE TABLE		
F/N	DESCRIPTION	VALUE
1	SAFETY DISC RETAINER	20 FT-LBS
5	FILL PORT ADAPTER	35 FT-LBS
6	FILL PORT	30 FT-LBS
7	PLUG FITTING	10 FT-LBS
12	GAUGE	25 FT-LBS
13/14/74 /76/78	GAUGE ADAPTER	35 FT-LBS
15	FUSIBLE PLUG	20 FT-LBS
16/17/18	SWIVEL FITTING	30 FT-LBS
26	DISC RETAINER	10 FT-LBS
42	SOCKET HEAD CAP SCREW	10 FT-LBS
48	SPRING STOP	5 FT-LBS
56	SHUTTLE HOUSING	20 FT-LBS
57	SOCKET HEAD CAP SCREW	15 FT-LBS
69	OVAL POINT SET SCREW	5 FT-LBS
73	LOCKNUT	25 IN-LBS
79	PRESSURE TRANSDUCER	35 FT-LBS
85	THERMOMANOMETER	25 FT-LBS

PORT FITTING CONFIGURATION - 650.53XX - XX - XXX XX - [XX]

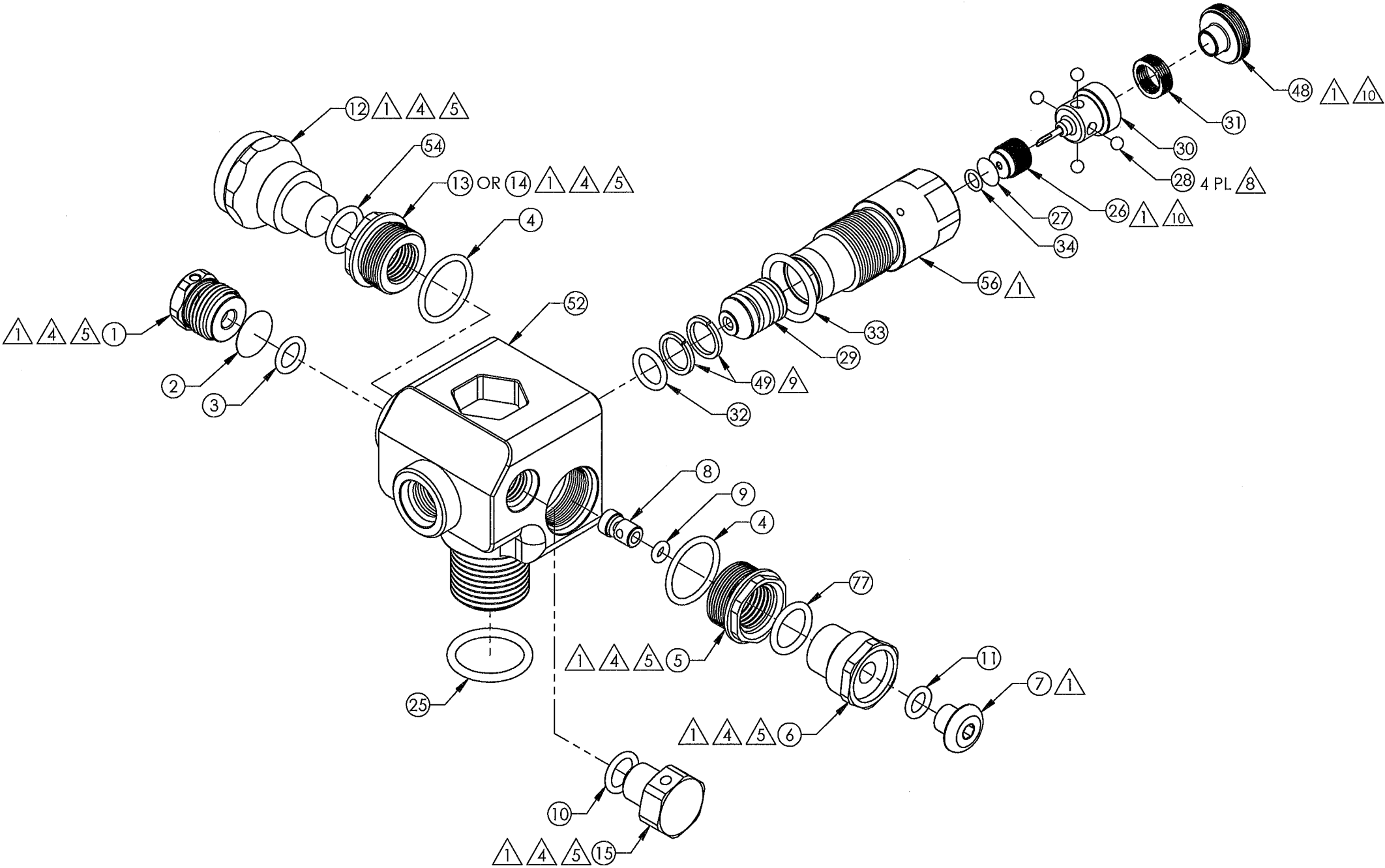


ORIGINAL DATE
(MO-DA-YR) 05-30-14
DRAWN BY J. GARDINER
CHECKER P. BRAVO
DRAWING APPROVAL
P. BRAVO
05-30-14
CONTRACT No.

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
2 PLACE DECIMALS ±.01
3 PLACE DECIMALS ±.005
ANGLES ± .5°

DART AEROSPACE
APICAL INDUSTRIES, INC.
dba DART AEROSPACE
3030 ENTERPRISE CT.,
SUITE A
VISTA, CA. 92081
(760)-724-5300
ELECTRIC VALVE ASSY
SIZE B CAGE CODE 07MZ6 DWG. NO. 650.5300 REV. J
SCALE NONE SHEET 4 OF 16

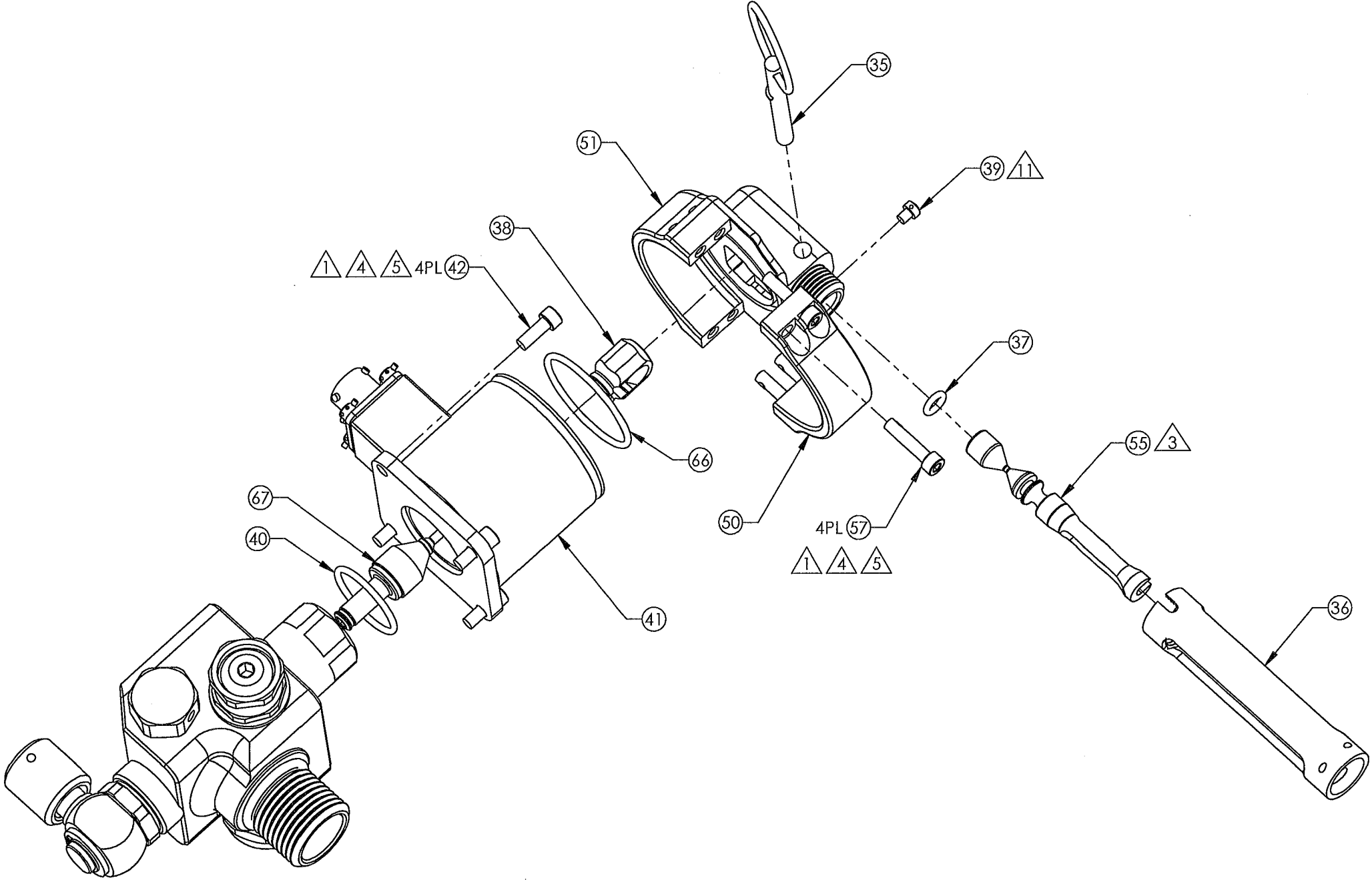
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.



EXPLODED VIEW
TYPICAL INTERNAL AND PORT PART INSTALLATION
ALL CONFIGURATIONS

ORIGINAL DATE (MO-DA-YR) 05-30-14		DART 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY J. GARDINER	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 05-30-14		ELECTRIC VALVE ASSY	
CONTRACT No.		SIZE B	REV. J
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		CAGE CODE 07MZ6	DWG. NO. 650.5300
		SCALE NONE	SHEET 5 OF 16

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.

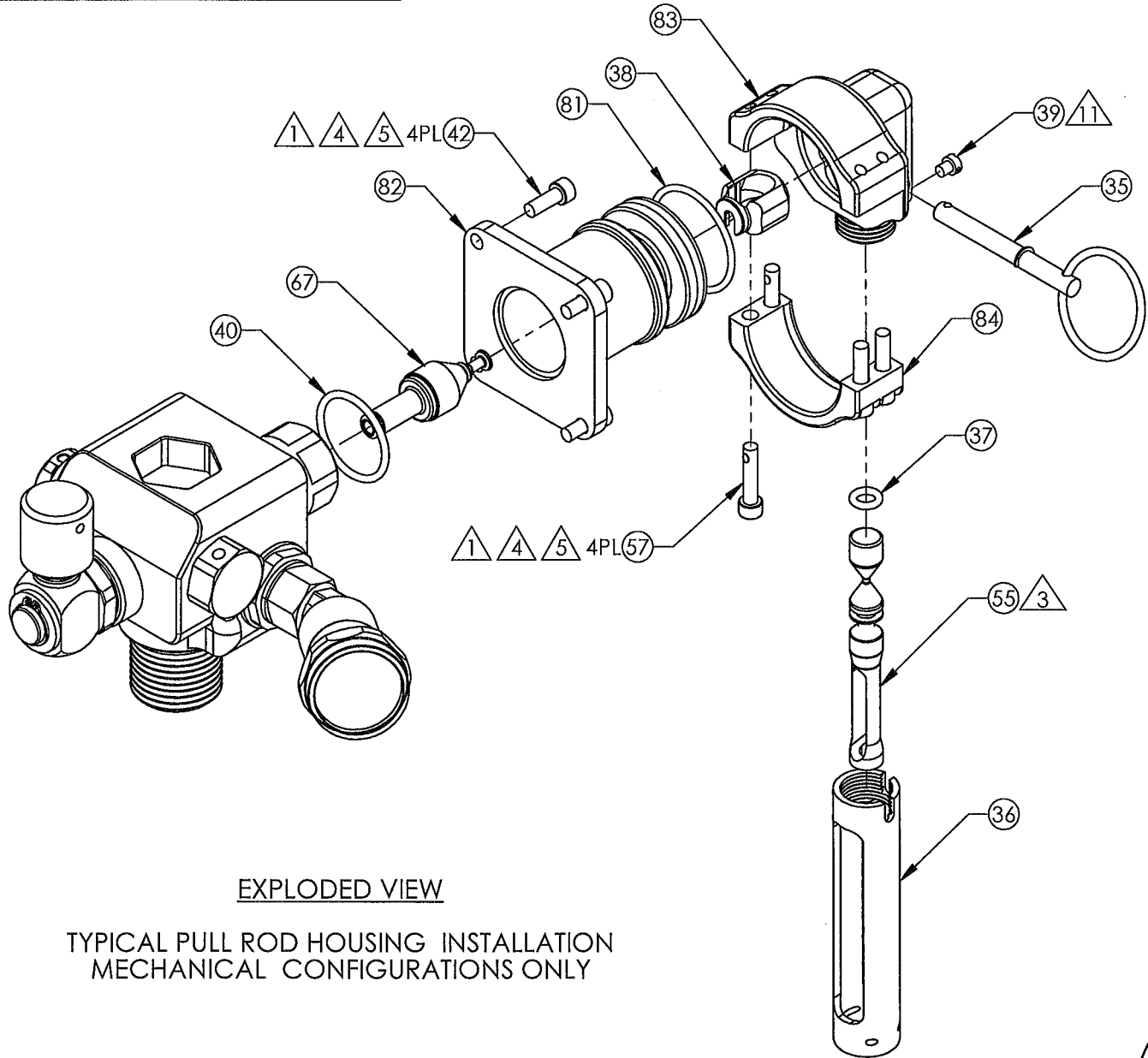


EXPLODED VIEW

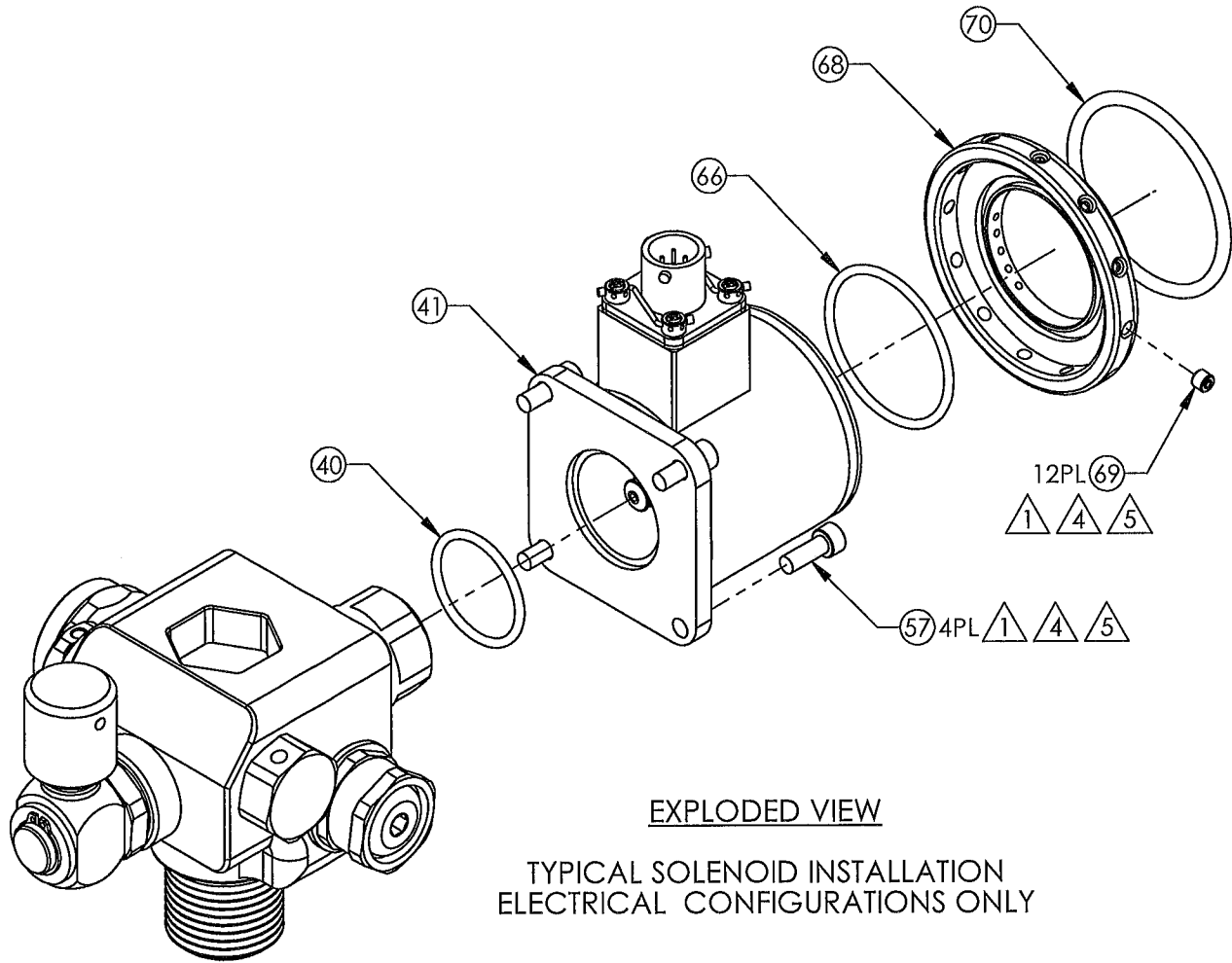
TYPICAL SOLENOID AND PULLROD HOUSING INSTALLATION
ELECTRICAL/MECHANICAL CONFIGURATIONS

ORIGINAL DATE (MO-DA-YR) 05-30-14		DART 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY J. GARDINER	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 05-30-14		ELECTRIC VALVE ASSY	
CONTRACT No.		SIZE B	REV. J
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		CAGE CODE 07MZ6	DWG. NO. 650.5300
		SCALE NONE	SHEET 6 OF 16

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.



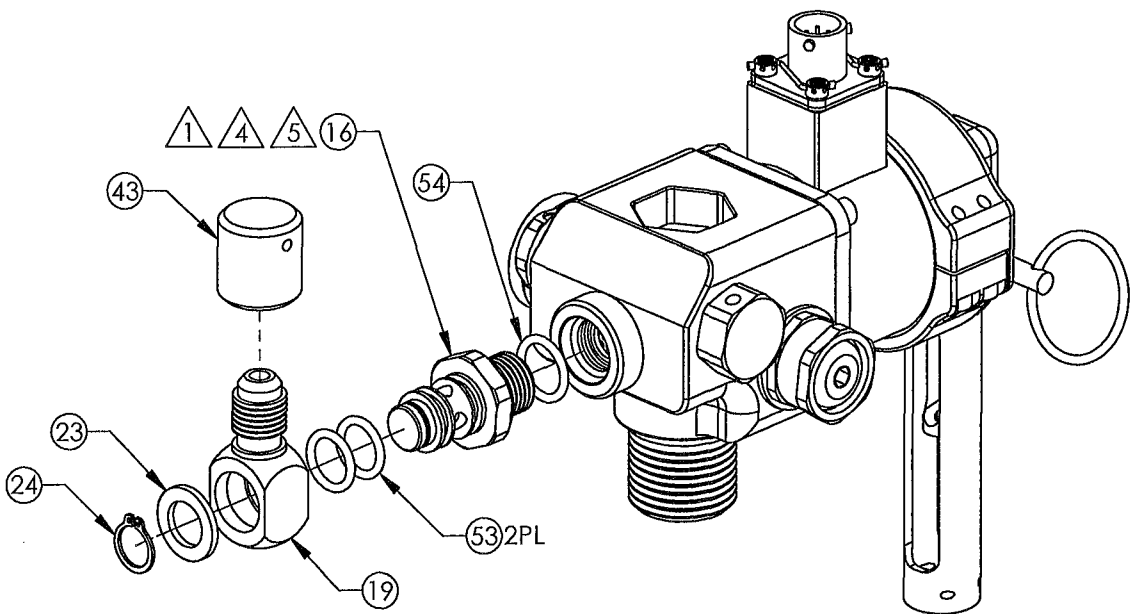
EXPLODED VIEW
TYPICAL PULL ROD HOUSING INSTALLATION
MECHANICAL CONFIGURATIONS ONLY



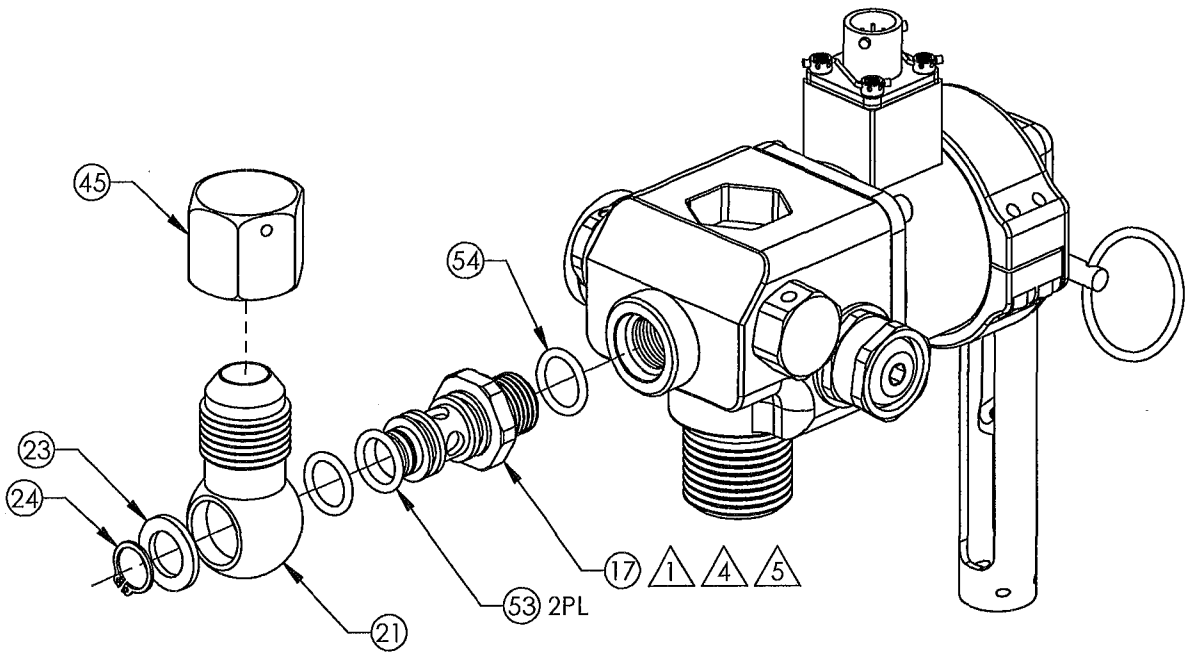
EXPLODED VIEW
TYPICAL SOLENOID INSTALLATION
ELECTRICAL CONFIGURATIONS ONLY

ORIGINAL DATE (MO-DA-YR) 05-30-14		DART 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY J. GARDINER	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 05-30-14		APICAL INDUSTRIES, INC. dba DART AEROSPACE	
CONTRACT No.		ELECTRIC VALVE ASSY	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SIZE B	REV. J
CAGE CODE 07MZ6		DWG. NO. 650.5300	SCALE NONE
SHEET 7 OF 16			

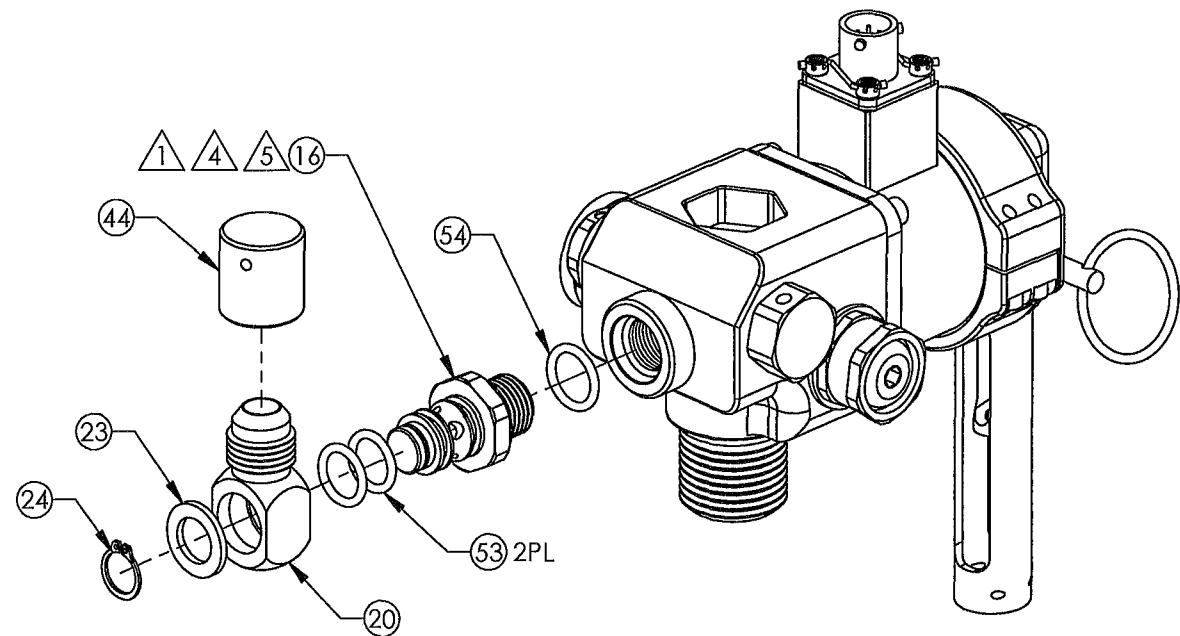
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.



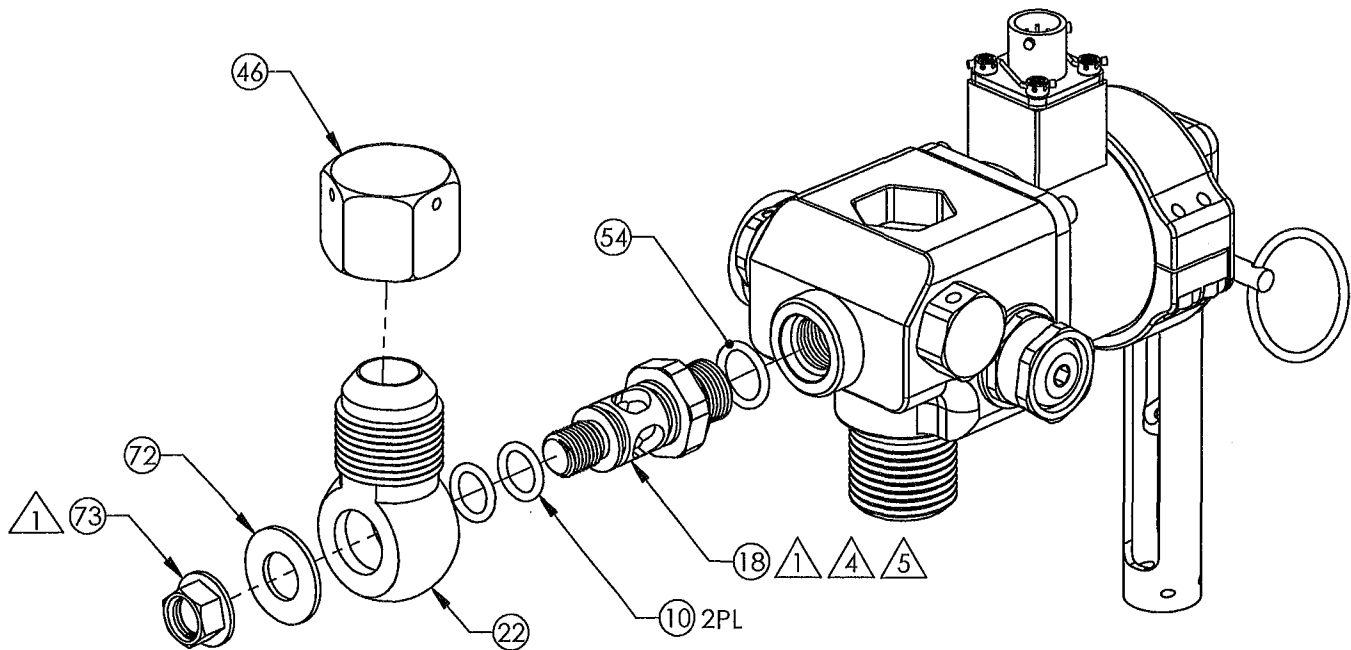
EXPLODED VIEW
TYPICAL -4 OUTLET



EXPLODED VIEW
TYPICAL -8 OUTLET



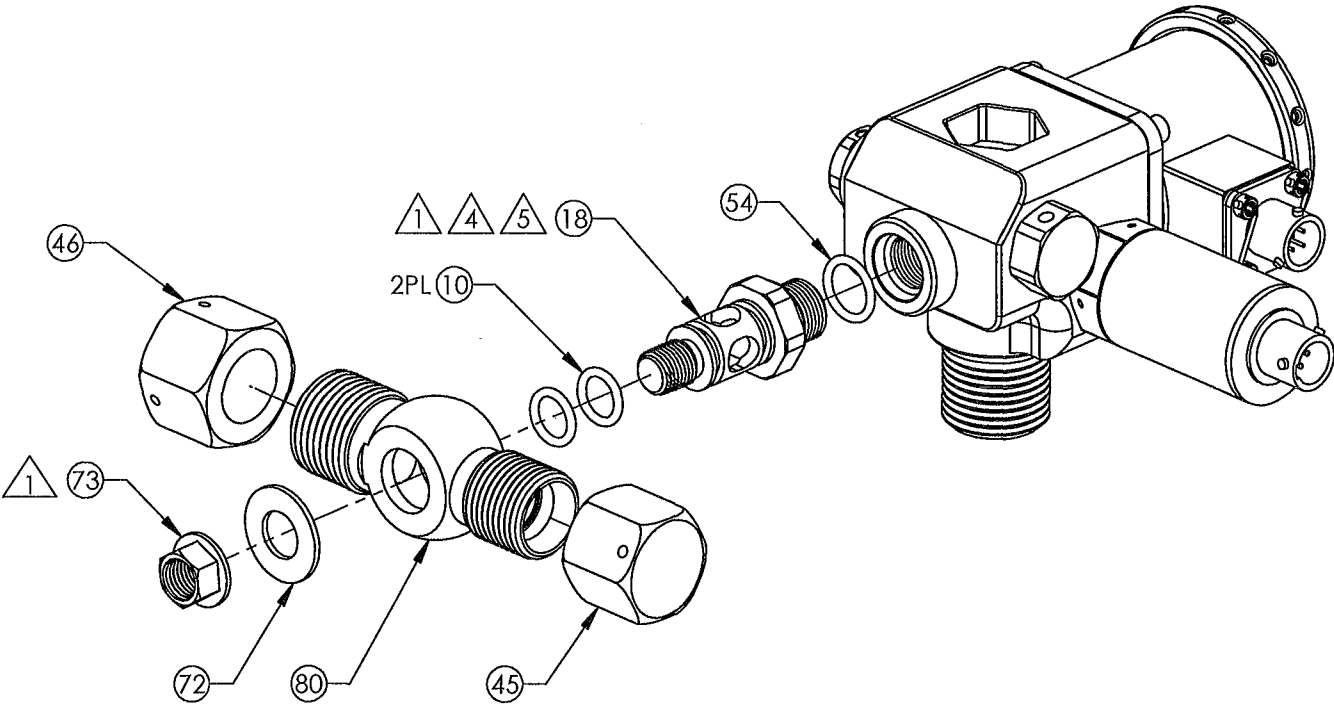
EXPLODED VIEW
TYPICAL -6 OUTLET




EXPLODED VIEW
TYPICAL -10 OUTLET

ORIGINAL DATE (MO-DA-YR) 05-30-14		DART 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY J. GARDINER	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 05-30-14		ELECTRIC VALVE ASSY	
CONTRACT No.		SIZE B	REV. J
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°		CAGE CODE 07MZ6	DWG. NO. 650.5300
		SCALE NONE	SHEET 8 OF 16

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.



EXPLODED VIEW
TYPICAL -8 -10 OUTLET

ORIGINAL DATE (MO-DA-YR) 05-30-14		 DART AEROSPACE 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 APICAL INDUSTRIES, INC. (760)-724-5300 dba DART AEROSPACE			
DRAWN BY J. GARDINER	CHECKER P. BRAVO				
DRAWING APPROVAL P. BRAVO 05-30-14		ELECTRIC VALVE ASSY			
CONTRACT No.					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°		SIZE	CAGE CODE	DWG. NO.	REV.
		B	07MZ6	650.5300	J
		SCALE NONE		SHEET	9 OF 16

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.

A
B
C
D

O-RING IS EXCLUDED FROM NOTE 2.
APPLY THOROUGH AND EVEN COAT
OF F/N 58 SUPER O-LUBE.

8
APPLY SPARINGLY TO ALL TRIGGER BALLS.
USE ONLY ENOUGH LUBRICANT TO COAT
EACH TRIGGER BALL IN A THIN FILM.

APPLY EXCESS O-RING LUBRICANT

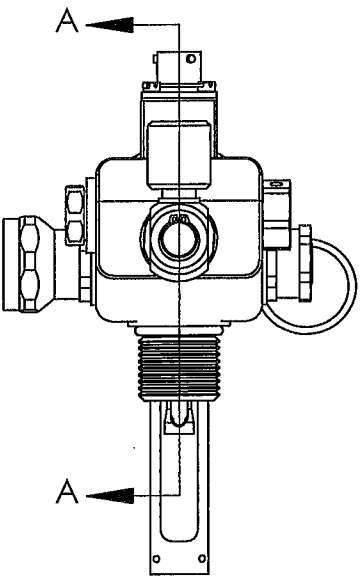
SEAL WITH F/N 65 RTV (OR SIMILAR)
AFTER ARMING THE BAYONET.
COVER SEALANT WITH WEATHER
RESISTANT VINYL ELECTRICAL TAPE.

3

SECTION A-A

ASSEMBLY REFERENCE

(TYPICAL ELECTRICAL/MECHANICAL CONFIGURATION)



FRONT VIEW

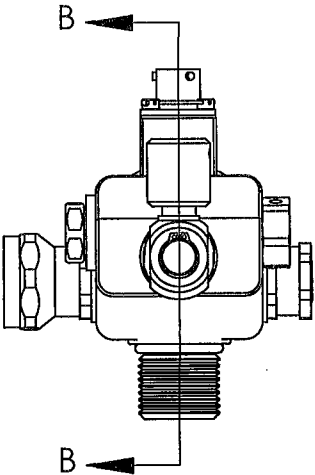
ORIGINAL DATE (MO-DA-YR) 05-30-14		DART 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY J. GARDINER	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 05-30-14		APICAL INDUSTRIES, INC. dba DART AEROSPACE	
CONTRACT No.		ELECTRIC VALVE ASSY	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SIZE B	REV. J
		CAGE CODE 07MZ6	DWG. NO. 650.5300
		SCALE NONE	SHEET 10 OF 16

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.

O-RING IS EXCLUDED FROM NOTE 2. APPLY THOROUGH AND EVEN COAT OF F/N 58 SUPER O-LUBE.

8
APPLY SPARINGLY TO ALL TRIGGER BALLS. USE ONLY ENOUGH LUBRICANT TO COAT EACH TRIGGER BALL IN A THIN FILM.

APPLY EXCESS O-RING LUBRICANT



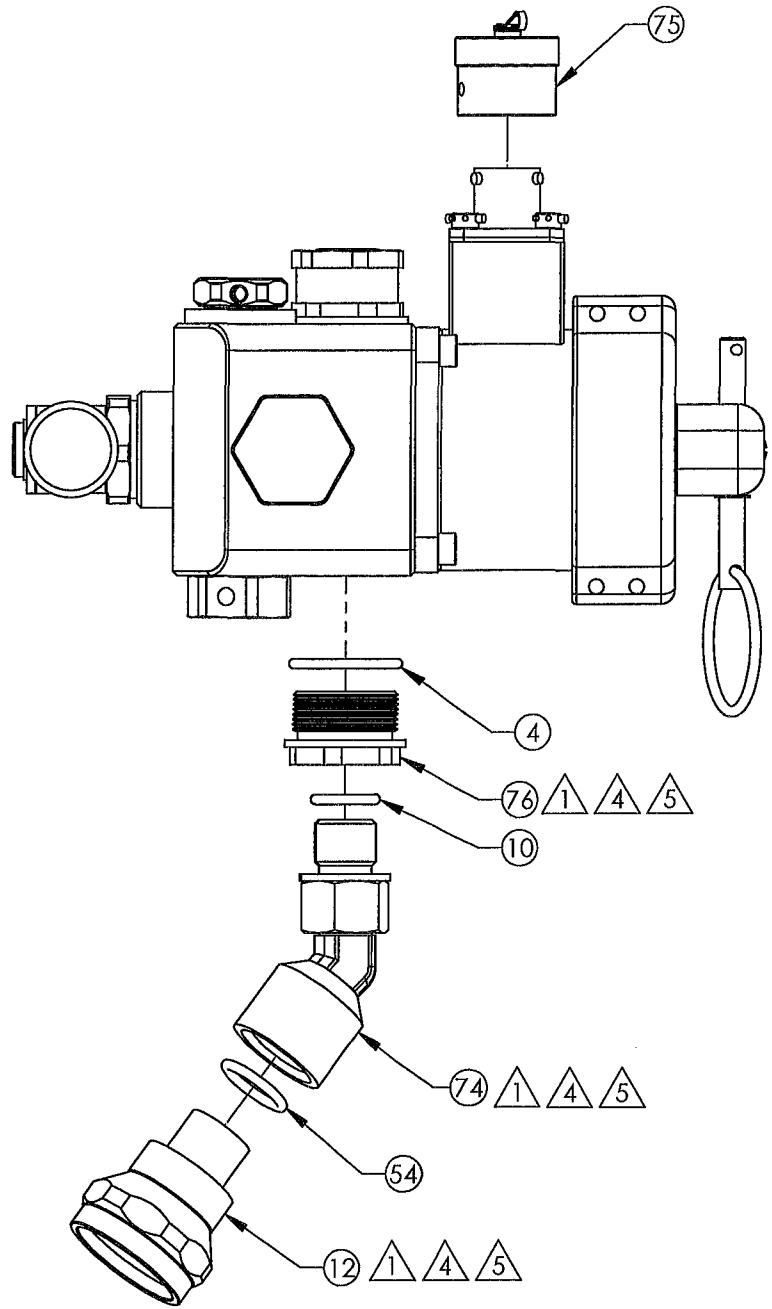
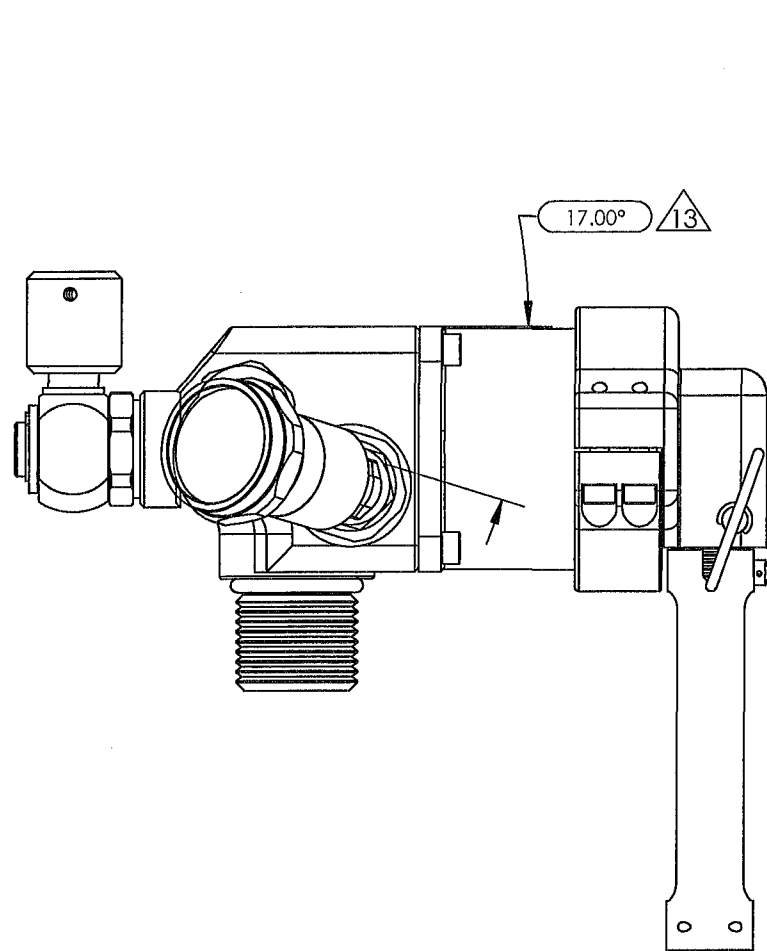
FRONT VIEW

SECTION B-B

ASSEMBLY REFERENCE
(TYPICAL ELECTRICAL CONFIGURATION)

ORIGINAL DATE (MO-DA-YR) 05-30-14		DART 3030 ENTERPRISE CT., SUITE A APICAL INDUSTRIES, INC. VISTA, CA. 92081 dbi DART AEROSPACE (760)-724-5300	
DRAWN BY J. GARDINER	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 05-30-14		ELECTRIC VALVE ASSY	
CONTRACT No.		SIZE B	REV. J
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		CAGE CODE 07MZ6	DWG. NO. 650.5300
		SCALE NONE	SHEET 11 OF 16

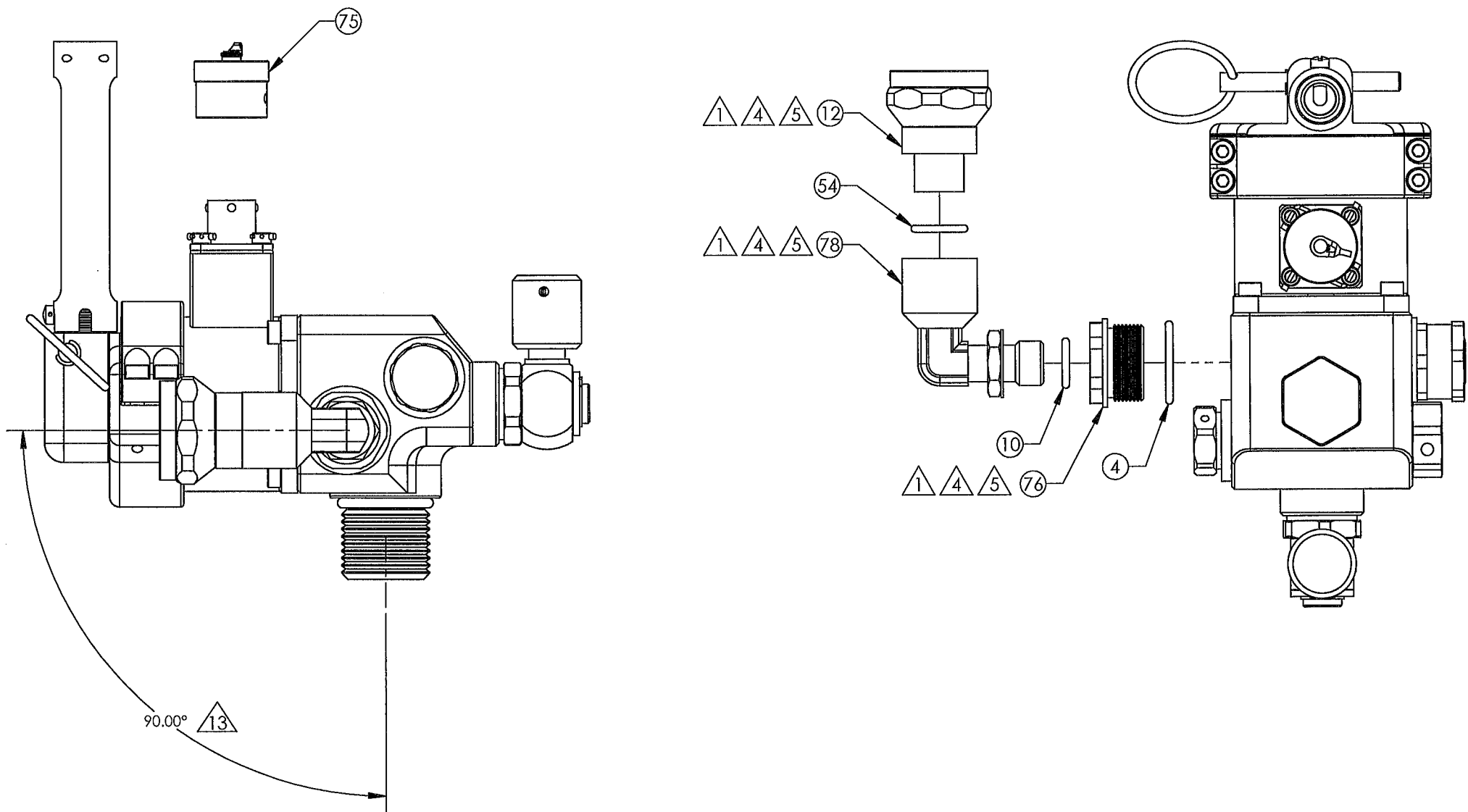
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.



650.5317 CONFIGURATION ONLY

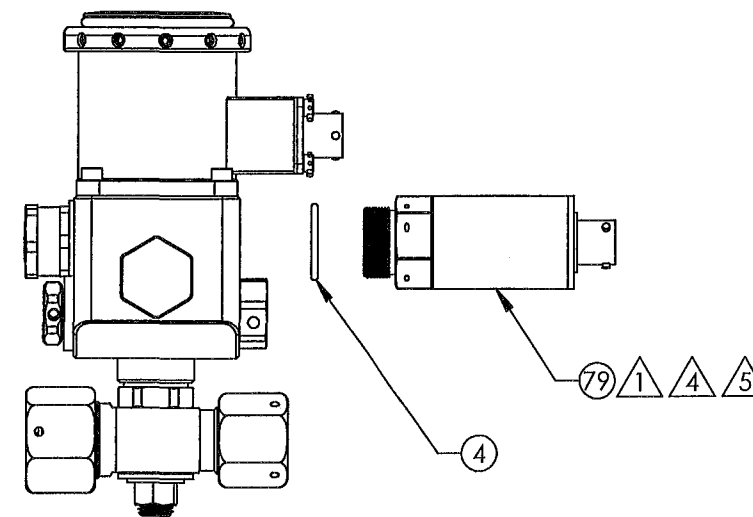
ORIGINAL DATE (MO-DA-YR) 05-30-14		DART 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300 APICAL INDUSTRIES, INC. dba DART AEROSPACE	
DRAWN BY J. GARDINER	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 05-30-14		ELECTRIC VALVE ASSY	
CONTRACT No.		SIZE B	REV. J
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°		CAGE CODE 07MZ6	DWG. NO. 650.5300
		SCALE NONE	SHEET 12 OF 16


THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.



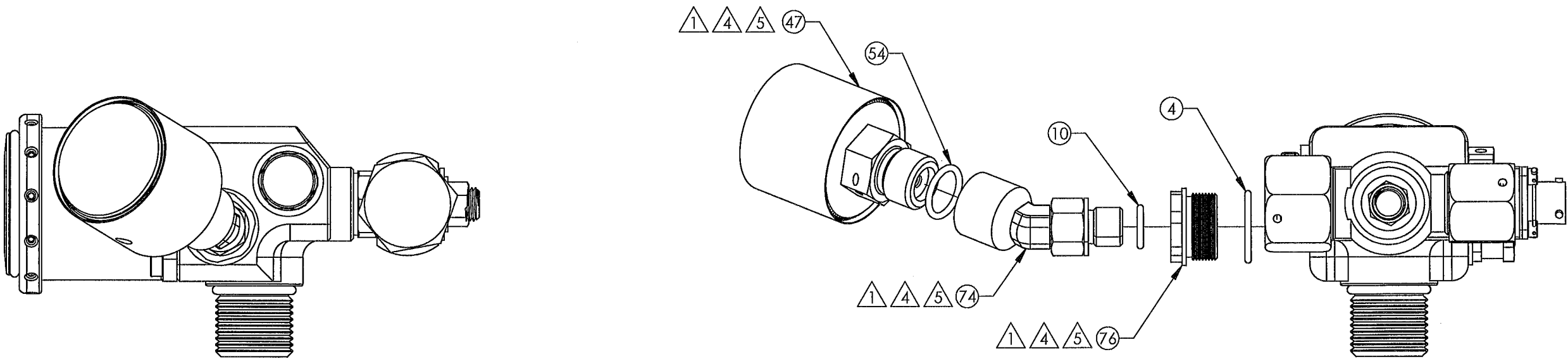
650.5318 CONFIGURATION ONLY

ORIGINAL DATE (MO-DA-YR) 05-30-14		DART 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY J. GARDINER	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 05-30-14		ELECTRIC VALVE ASSY	
CONTRACT No.		SIZE B	REV. J
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°		CAGE CODE 07MZ6	DWG. NO. 650.5300
		SCALE NONE	SHEET 13 OF 16



ORIGINAL DATE (MO-DA-YR) 05-30-14		 DART 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY J. GARDINER	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 05-30-14		APICAL INDUSTRIES, INC. dba DART AEROSPACE	
CONTRACT No.		ELECTRIC VALVE ASSY	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SIZE	REV.
		B	J
		CAGE CODE 07MZ6	DWG. NO. 650.5300
		SCALE NONE	SHEET 14 OF 16

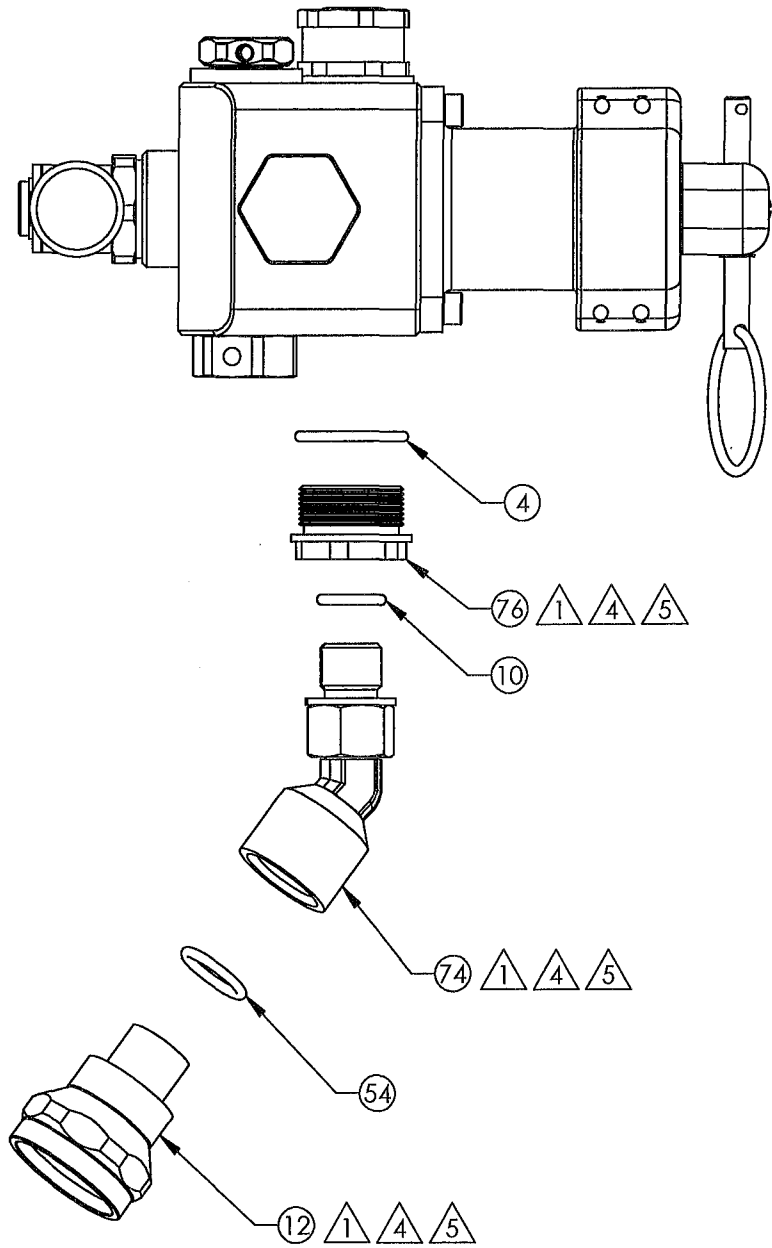
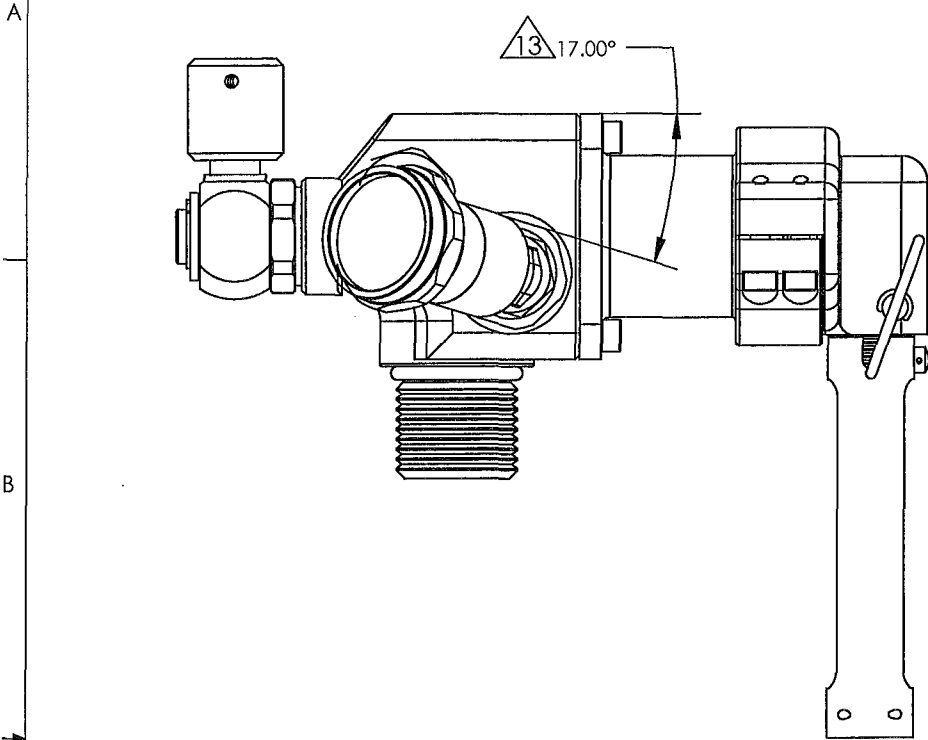
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.



650.5320 CONFIGURATION ONLY

ORIGINAL DATE (MO-DA-YR) 05-30-14		DART 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY J. GARDINER	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 05-30-14		APICAL INDUSTRIES, INC. dba DART AEROSPACE	
CONTRACT No.		ELECTRIC VALVE ASSY	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SIZE B	REV. J
CAGE CODE 07MZ6		DWG. NO. 650.5300	SHEET 15 OF 16
SCALE NONE			

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.



650.5321 CONFIGURATION ONLY

ORIGINAL DATE (MO-DA-YR) 05-30-14		DART 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300 APICAL INDUSTRIES, INC. dba DART AEROSPACE	
DRAWN BY J. GARDINER	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 05-30-14		ELECTRIC VALVE ASSY	
CONTRACT No.		SIZE B	REV. J
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		CAGE CODE 07MZ6	DWG. NO. 650.5300
		SCALE NONE	SHEET 16 OF 16